

Rec'd PCT/STO 16 MAR 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 April 2004 (01.04.2004)

PCT

(10) International Publication Number  
WO 2004/027528 A3

(51) International Patent Classification<sup>7</sup>: G05B 19/042,  
19/418

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,  
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:  
PCT/IB2003/003568

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(22) International Filing Date: 8 August 2003 (08.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
02078907.9 20 September 2002 (20.09.2002) EP

Declaration under Rule 4.17:

(71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL];  
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventor; and

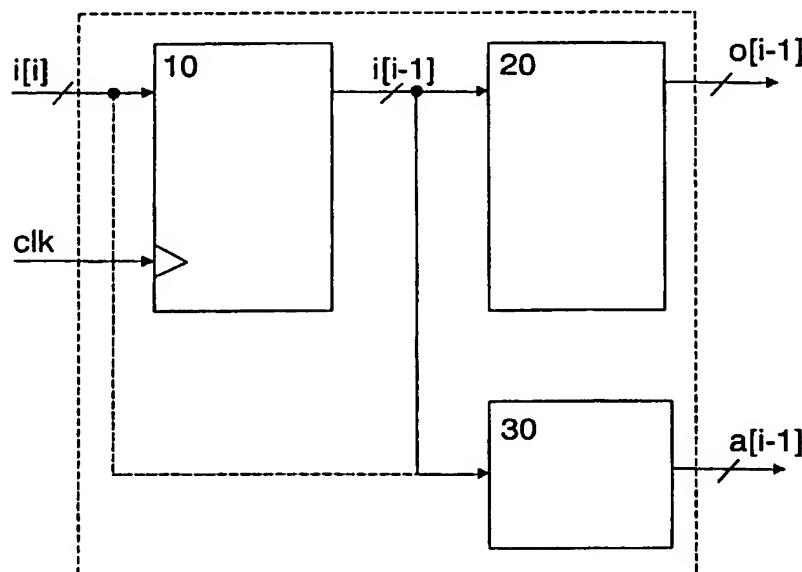
(75) Inventor/Applicant (for US only): PESSOLANO,  
Francesco [IT/NL]; c/o Prof. Holstlaan 6, NL-5656 AA  
Eindhoven (NL).

(74) Agent: DUIJVESTIJN, Adrianus, J.; Philips Intellectual  
Property & Standards, Prof. Holstlaan 6, NL-5656 AA  
Eindhoven (NL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GE, GH, GM, HR,  
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,  
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,  
MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD,  
SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,  
UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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(54) Title: ADAPTIVE DATA PROCESSING SCHEME BASED ON DELAY FORECAST



(57) Abstract: The present invention relates to a data processing circuitry and method of processing an input data pattern and outputting an output data pattern after a processing delay which depends on a processing activity of the data processing circuitry, wherein the processing delay is estimated based on the input pattern and the processing is controlled in response to the estimated processing delay. The processing control may be a power control based on an activity monitoring or a clock control in a pipeline structure. Thereby, an efficient solution is provided to derive the current activity of the processing circuitry in order to dynamically adapt its operating conditions to its demands.

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/03568

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 G05B19/042 G05B19/418

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 G05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/35159 A (ALGOREX INC ; BAHAI AHMAD REZA (US); SANWAL KUMUD KUMAR (US)) 15 June 2000 (2000-06-15) page 2, line 18 - page 4, column 3; figures 1-3 ----- WO 01/78423 A (AIRNET COMM CORP) 18 October 2001 (2001-10-18) abstract ----- WO 99/50722 A (KRAUSE KARL HEINZ ; SIEMENS AG (DE); ZEBISCH THOMAS (DE)) 7 October 1999 (1999-10-07) page 21, line 14 - page 26, line 10; figures 1,2,6 ----- -/-	1-7,12, 13
X		1-7,12, 13
X		1,4-12, 14



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Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the International search report

25 May 2004

03/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Tran-Tien, T

## INTERNATIONAL SEARCH REPORT

National Application No  
PCT/IB 03/03568

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 313 135 A (COOPER J CARL) 26 January 1982 (1982-01-26) abstract -----	1-14
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Information on patent family members

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